

目 次

研究论文

- 挤出成型法制备添加铁离子的管式阳极支撑固体氧化物燃料电池 王涵多, 高 媛, 王妮莎, 刘 江, 蔡翠霞 (577)
(4,4-二1,3,5-三硝基-1,3,5-三氮环-2-氨基)-[3,3':4",3"-三(1',2',5'-二唑)]2-氧化物(DRDXBAFF)性能的理论研究 严 新, 褚玉婷 (584)
邻菲啰啉二氧化钼(VI)配合物合成及催化环氧化性能 柴凤兰, 蔡庄红, 李 敬, 董玉涛, 王向宇 (592)
氯胺酮分子印迹聚合物的制备与性能研究 文云波, 刘 鹏, 李衍德, 任周阳, 倪春明, 曹秋娥 (599)
离子液体为电解质背景毛细管电泳法同时测定四种注射用头孢药物的含量
..... 李 敏, 乔卫叶, 王秀玲, 成丽萍, 张 层, 孙 杰 (604)
不同口味电子烟烟液挥发性成分的主成分分析 许春平, 王 充, 李萌姗, 赵珊珊, 郝 辉 (610)
蘑菇包装纸中荧光增白剂的高效液相色谱分析方法的建立 曹秀梅, 张春芳, 佟 琦, 杨卫军, 张嘉楠 (617)
双酚 F 在三聚氰胺/石墨烯-碳纳米管复合材料修饰玻碳电极上的电催化氧化行为
..... 王 玫, 柳娟娟, 同乾顺, 郑志祥, 王春明 (622)
基于 CdS 纳米颗粒和 HRP-AuNPs-apt 的卡那霉素电化学发光适配体传感器研究
..... 宋海燕, 康天放, 鲁理平, 程水源 (630)
HMCM-56 分子筛负载磷钨酸催化苯酚与异丙醇烷基化反应 肖瑞杰, 赵学艳, 曹桂荣, 杨 健, 李 平 (637)
聚甲基乙撑碳酸酯/氧化石墨烯纳米复合材料的制备及性能研究 蒋 果, 赵 楠, 张水洞, 黄汉雄 (642)
柱前衍生-HPLC-MS 内标法测定动物组织中棉酚旋光异构体的含量 任丽君, 袁 洁, 姚 军 (648)
香豆素负载 SBA-15 材料及其对 Hg^{2+} 的荧光识别和吸附 马文辉, 周雪然, 李忠才, 胡明刚, 初红涛 (654)
低共熔溶剂中酶催化水解黄芩苷的工艺条件研究 王 慧, 马晓娣, 程启斌, 席小莉 (659)
含环糊精结构四元共聚物驱油剂的制备及性能研究 苟绍华, 赵 鹏, 彭 川, 张 勤, 王博乐, 宋雨阳 (664)
基于味精的类脂合成与脂质体制备 刘科秀, 刘宝全, 王静华, 王 幸, 权春善, 范圣第 (670)
原癌基因 c-myc G-四链体配体甲基蓝衍生物的设计、合成及其活性研究
..... 聂修红, 葛燕丽, 胡学雷, 冯菊红, 姚楚笛 (675)
一种新型化学溶液复介电常数测量系统设计 胡自立, 陈 倩, 黄卡玛, 杨 阳 (680)
 TiO_2 的添加对 CeO_2 - WO_3 / ZrO_2 整体式催化剂 NH_3 选择性催化还原 NO_x 性能的促进作用 李元山, 陈耀强 (685)
双核铑金属化合物催化的氧化 Heck 反应:丙烯酸酯的两种角色 谭建桃, 匡 益, 王启卫, 朱 槿, 王元桦 (689)

研究简报

- 四唑脲的合成及其植物生长调节活性的测定 冯桂荣, 蔡明建, 王 磊, 贾俊芳 (696)
(E)-6-氯-2-(4-三氟甲基苯乙烯基)-3-喹啉甲酸的合成及其环化 符鑫博, 高文涛, 王东方, 赵雅楠 (701)
 γ -Bi₂MoO₆ 光催化降解次甲基蓝的研究 胡 育, 宋连香, 李 琼, 黄 华, 陈倩霞, 严舒龙, 陈晓琴 (706)
同位素内标-HPLC-MS 法同时测定 4 种 β -受体激动剂在猪肝中的残留 温贤运, 余辉菊 (710)
纳米氧化镁对 Cr(VI)、Cr(III) 和 Cu(II) 的吸附特性 赵海燕, 蒋 楠 (715)
苯并噻吩并[1,6]萘啶衍生物的有效合成 潘广宇, 王道林, 王永阳, 钱建华 (721)
埃索美拉唑镁的合成工艺研究 徐桂清, 毛 伸, 毛龙飞, 申家轩 (727)
2-氨基乙基磺酰胺盐酸盐合成研究 霍二福, 成兰兴, 赵增兵, 程伟琴, 王毅楠, 冯 明, 王延花 (733)
一锅法三组分合成苯并噻唑酮 张 伟, 张纯子夜, 谭丽花, 周向葛 (736)
 $K_7[Cu(H_2O)W_{11}AlO_{39}]/PANI/V_2O_5$ 复合材料制备、表征及光催化 陈光灿, 单秋杰, 陈 伟 (741)
无溶剂条件下芳香醛与 2,6-二取代苯胺的缩合反应 吴利欢, 陈志胜, 覃超国, 刘 刎 (747)
中文目次(封 2) 英文目次(封 3)

CHEMICAL RESEARCH AND APPLICATION

Vol. 29 NO. 5 Mar. 2017 Monthly

Contents

Academic Papers

Fabrication for long tubular anode supported SOFCs with Fe as additive by extrusion technology and its performance	WANG Han-duo , GAO Yuan , WANG Ni-sha , LIU Jiang , CAI Cui-xia	(577)
Theoretical studies on the performances of 4,4"-bis(1,3,5-trinitro-1,3,5-triazinan-2-yl amino)-[3,3':4',3"-ter(1',2',5'-oxadiazole)]2'-oxide(DRDXBAFF)	YAN Xin , CHU Yu-ting	(584)
Synthesis and catalytic epoxidation activity of 1,10-phenanthroline dioxomolybdenum(VI) complex	CHAI Feng-lan , CAI Zhuang-hong , LI Jing , DONG Yu-tao , WANG Xiang-yu	(592)
Studies on preparation and characteristics of ketamine molecularly imprinted polymers	WEN Yun-bo , LIU Peng , LI Yan-de , REN Zhou-yang , NI Chun-ming , CAO Qiu-e	(599)
Simultaneous determination of four cephalosporins in injection by high performance capillary electrophoresis with ionic liquid as background	LI Min , QIAO Wei-ye , WANG Xiu-ling , CHENG Li-ping , ZHANG Ceng , SUN Jie	(604)
Principal component analysis of volatile components in refill liquids for electronic cigarette with different tastes	XU Chun-ping , WANG Chong , LI Meng-shan , ZHAO Shan-shan , HAO Hui	(610)
Establishment an analysis method of fluorescent whitening agents in paper materials of mushroom wrapping by high performance liquid	CAO Xiu-mei , ZHANG Chun-fang , TONG Qi , YANG Wei-jun , ZHANG Jia-nan	(617)
Electrocatalytic oxidation of bisphenol F at melamine/graphene-multiwalled carbon nanotubes composites-modified electrode	WANG Mei , LIU Juan-juan , YAN Qian-shun , ZHENG Zhi-xiang , WANG Chun-ming	(622)
Electrochemiluminescence aptamer sensor for Kana base on CdS nanospheres and HRP-AuNPs-apt	SONG Hai-yan , KANG Tian-fang , LU Li-ping , CHENG Shui-yuan	(630)
Alkylation of phenol with isopropanol over HMCM-56 molecular sieves supported phosphotungstic acid	XIAO Rui-jie , ZHAO Xue-yan , CAO Gui-rong , YANG Jian , LI Ping	(637)
Preparation of poly(propylene carbonate)/poly(vinyl alcohol)/graphene oxide nanocomposite and its properties	JIANG Guo , ZHAO Nan , ZHANG Shui-dong , HUANG Han-xiong	(642)
Determination of the gossypol optical isomer in animal tissue by HPLC-MS internal standard method with pre-column Derivatization	REN Li-jun , YUAN Jie , YAO Jun	(648)
Coumarin immobilized SBA-15 material for fluorescence recognition and adsorption of Hg^{2+}	MA Wen-hui , ZHOU Xue-ran , LI Zhong-cai , HU Ming-gang , CHU Hong-tao	(654)
Study on technology for enzymatic hydrolysis of baicalin in deep eutectic solvents	WANG Hui , MA Xiao-di , CHENG Qi-bin , XI Xiao-li	(659)
Synthesis and properties of a tetra-copolymer containing β -cyclodextrin as enhanced oil recovery chemical	GOU Shao-hua , ZHAO Peng , PENG Chuan , ZHANG Qin , WANG Bo-le , SONG Yu-yang	(664)
Synthesis of lipoid based on monosodium glutamate and the preparation of liposome	LIU ke-xiu , LIU Bao-quan , WANG Jing-hua , WANG Xing , QUAN Chun-shan , FAN Sheng-di	(670)
Design, synthesis and activity of methylene blue derivatives as proto-oncogene c-myc G-quadruplex ligands	NIE Xiu-hong , GE Yan-li , HU Xue-lei , FENG Ju-hong , YAO Chu-di	(675)
Design of a new system for measuring the complex permittivity of chemical solution	Hu Zi-li , Chen Qian , Huang Ka-ma , Yang Yang	(680)
Promotional effect of TiO_2 additives on CeO_2 - WO_3 / ZrO_2 for selective catalytic reduction of NO_x with NH_3	LI Yuan-shan , CHEN Yao-qiang	(685)
Dirhodium-catalyzed oxidative Heck type reaction: acrylate acted as two roles	TAN Jian-tao , KUANG Yi , WANG Qi-wei , ZHU Jin , WANG Yuan-hua	(689)
Research Notes		
Synthesis of tetrazole urea and determination of plant growth regulating activity	FENG Gui-rong , CAI Ming-jian , WANG Lei , JIA Jun-fang	(696)
Synthesis of (<i>E</i>)-6-chloro-2-(4-(trifluoromethyl)styryl)quinoline-3-carboxylic acid and its cyclization	FU Xin-bo , GAO Wen-tao , WANG Dong-fang , ZHAO Ya-nan	(701)
Photocatalytic degradation of methylene blue on bismuth molybdate	HU Yu , SONG Lian-Xiang , Li Qiong , HUANG Hua , CHEN Qian-xia , YAN Shu-long , CHEN Xiao-qin	(706)
Determination of 4 β -agonists in pig livers by high performance liquid chromatography-tandem mass spectrometry with isotope dilution	WEN Xian-yun , YU Hui-ju	(710)
Adsorption performance of magnesium oxide nanoparticles in Cr(VI) , Cr(III) and Cu(II)	ZHAO Hai-yan , JIANG Nan	(715)
An efficient synthesis of benzothieno[1,6]naphthyridines	PAN Guang-yu , WANG Dao-lin , WANG Yong-yang , QIAN Jian-hua	(721)
The research on synthesis process of esomeprazole magnesium	XU Gui-qing , MAO Shen , MAO Long-fei , SHEN Jia-xuan	(727)
Study on the synthesis of 2-aminoethanesulfonamide	HUO Er-fu , CHENG Lan-xing , ZHAO Zeng-bing , CHENG Wei-Qin , WANG Yi-nan , FENG Ming , WANG Yan-hua	(733)
One-pot three components synthesis of benzothiazolone	ZHANG Wei , ZHANG Chun-ziye , TAN Li-hua , ZHOU Xiang-ge	(736)
Preparation, characterization and photocatalytic of $K_3[Cu(H_2O)AlW_{11}O_{39}] / PANI/V_2O_5$	CHEN Guang-can , SHAN Qiu-jie , CHEN Wei	(741)
Condensation of aromatic aldehyde with 2,6-disubstituted aniline under the condition of solvent-free	WU Li-huan , CHEN Zhi-sheng , QIN Chao-guo , LIU Zhao	(747)